CLAIMS

1. Method of testing end to end relations between gateways
    (MGW1, MGW2) in an IP network (IPNW), which method
    comprises the following steps:

5 - reserving call handling resources (CH231-CH260) in a
    destination gateway (MGW2);

   - sending data packets (RTP/UDP/IP) from an originating
     gateway (MGW1) to the reserved call handling resources
     (CH231-CH260), which method is **characterised** by the
10   following steps:

   - looping back the received data packets (RTP/UDP/IP), from
     the destination gateway (MGW2) to the originating gateway
     (MGW1);

   - providing quality statistics for the received data
15   packets, in the originating gateway (MGW1).

2. Method of testing end to end relations according to
    claim 1, which method comprises the following further
    steps:

20 - sending a seizure signal (SEIZE) from the originating
    gateway (MGW1) to the destination gateway (MGW2),
    specifying a desired number of call handling resources;

   - sending a resource ready signal (READY) from the
     destination gateway (MGW2) to the originating gateway
25   (MGW1), specifying the reserved call handling resources
     (CH231-CH260) in the destination gateway;

3. Method of testing end to end relations according to claims 1 or 2, which method comprises the following further step:

-   exchanging in a header of the received data packets (RTP/UDP/IP) before loop-back, a field defining an originating call handling resource with a field defining a destination call handling resource.

4. Method of testing end to end relations according to any of claims 1-3, which method comprises the following further step:

-   specifying in the destination gateway (MGW2), a time interval during which the test is set to go on.

5. Method of testing end to end relations according to any of claims 1-4 which method comprises the following further steps:

-   reserving call handling resources (CH131-CH160) in the originating gateway (MGW1);

-   configuring call handling resources (CH131-CH160) in the originating gateway (MGW1).

6. Arrangement to test end to end relations between gateways (MGW1, MGW2) in an IP network (IPNW), which comprises:

-   means for reserving call handling resources (CH231-CH260) in a destination gateway (MGW2);

- means for sending data packets (RTP/UDP/IP) from an originating gateway (MGW1) to the reserved call handling resources (CH231-CH260), which arrangement is **characterised** by:

5 - means for looping back the received data packets (RTP/UDP/IP), from the destination gateway (MGW2) to the originating gateway (MGW1);

- means in the originating gateway (MGW1) for providing quality statistics for the received data packets.

10

7. Arrangement to test end to end relations according to claim 6, which comprises:

- means for sending a seizure signal (SEIZE) from the originating gateway (MGW1) to the destination gateway

15 (MGW2), specifying a desired number of call handling resources;

- means for sending a resource ready signal (READY) from the destination gateway (MGW2) to the originating gateway (MGW1), specifying the reserved call handling resources

20 (CH231-CH260) in the destination gateway.

8. Arrangement to test end to end relations according to claims 6 or 7, which comprises means for exchanging in a header of the received data packets (RTP/UDP/IP) before

25 loop-back, a field defining an originating call handling resource with a field defining a destination call handling resource.

9. Arrangement to test end to end relations according to any of claims 6-8, which comprises means for specifying in the destination gateway (MGW2), a time interval during which the test is set to go on.

5

10. Arrangement to test end to end relations according to any of claims 6-9 which comprises:

- means for reserving call handling resources (CH131-CH160) in the originating gateway (MGW1);

10 - means for configuring call handling resources (CH131-CH160) in the originating gateway (MGW1).